

IND

State of North Carolina

Department of Environment and Natural Resources

Division of Waste Management

## INDUSTRIAL WASTE LANDFILL

## Facility Annual Report

For the period of July 1, 2012-June 30, 2013

According to (G.S. 130A-309.09D(b)) completed forms must be returned by August 1, 2013 and a copy of this report must be sent to the County Manager of each county from which waste was received. If you have questions or require assistance in completing this report, contact your Regional Environmental Senior Specialist.

Facility Name: Duke Energy Corp - Marshall Steam Station FGD Landfill

Permit: 1809-INDUS

Facility Website (URL): <http://www.duke-energy.com/power-plants/coal-fired/marshall.asp>

Physical Address		Mailing Address	
Street 1: 8320 East NC Highway 150		Street 1: 8320 East NC Highway 150	
Street 2:		Street 2:	
City: Terrell	County: Catawba	City: Terrell	
State: North Carolina	Zip: 28682	State: North Carolina	Zip: 28682

  

Primary Facility Contact Person		Billing Contact Person	
Name: George Tolbert		Name: Kimberlee Hutchinson	
Phone: (828) 478-7820	Fax: (828) 478-7776	Phone: (336) 215-4576	Fax: (336) 445-0423
Email: George.Tolbert@duke-energy.com		Email: Kim.Hutchinson@duke-energy.com	

1. Tipping Fee: \$ 0.00 per Ton (Attach a schedule of tipping fees if appropriate.)

2. Indicate types of disposal activity occurring at this facility (Check all that apply).

- ☒ Landfilling of industrial waste (specify waste): FGD-Clarifier Sludge and Gypsum  
☒ Landfilling of construction and demolition waste  
☒ Landfilling of asbestos  
☒ Landfilling of ash  
☒ Landfilling of sludge  
☐ Landfilling of other waste (specify):

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JUL 26 2013

SOLID WASTE SECTION  
ASHEVILLE REGIONAL OFFICE

3. What other activities occur at this facility? (check all that apply)

- ☐ Recycling/Reuse Collection    ☐ Scrap Tire Collection    ☐ White Goods Collection    ☐ Household Hazardous Waste Collection

If you checked Recycling/Reuse Collection, please indicate the materials accepted: (check all that apply)

- ☐ Paper    ☐ Wood    ☐ Concrete/rubble/asphalt    ☐ Gypsum/drywall  
☐ Cardboard    ☐ Glass    ☐ Aluminum Cans    ☐ Steel Cans  
☐ PETE (#1) Plastic    ☐ HDPE (#2) Plastic    ☐ Computer Equipment    ☐ Televisions  
☐ Fluorescent lightbulbs    ☐ Used oil/oil filters    ☐ Other Metal    ☐ Other Plastic

☐ Other (specify) Note: Recycling activities occur at Marshall Steam Station but are not associated with the landfill

**Airspace (Capacity):** Questions in this section relate to all cells/units of the facility operated under the current 4-digit permit number regardless of whether the cells/units are closed or are not contiguous at the time of this report. Tonnage questions must be based on scale records and cover the period between the opening date and the date of the last survey unless another time period is approved. Airspace measurements include weekly, intermediate and final cover.

4. Date Facility Last Surveyed: 05/07/2013

5. Airspace Used (cubic yards): 306,878

6. Total Tons Disposed in  
Airspace Used (tons): 336,001.56

7. Total waste landfilled at this facility during the period of July 1, 2012, through June 30, 2013. Indicate **tonnage** received by COUNTY of waste origin. DO NOT include waste diverted for recycling, reuse, mulching, or composting. Please list ALL counties from which you received waste. Please indicate COUNTY and STATE, if received from another state.

[illegible]

Grand Total	39,329.82
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8. Did your facility stop receiving waste during this past Fiscal Year? ☐ Yes ☒ No

If so, please report the date this occurred:

REMITTER: A.C. Orlandini, C.R.S. 110A, 309.09BY, Houston, Texas. Report must be sent to the National Environmental Monitor, Generalist for our region and a copy of this period must be sent to the County with track of each county from which we have been sent.

**Please return your completed report to:**

Deb Aja  
2090 US Highway 70  
Swannanoa, NC 28778  
phone: 828.296.4702 email: Deborah.Aja@ncdenr.gov

CERTIFICATION: I certify that the information provided is an accurate representation of the activity at this facility.

Signature: Kimberly Wutchesi

Date: Jul 24, 2013

Name: Kimberlee Hutchinson

**Title:** Engineer III

Phone Number: (336) 215-4576

Email: [Kim.Hutchinson@duke-energy.com](mailto:Kim.Hutchinson@duke-energy.com)

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Permit: 1809-INDUS

Address: 8320 East NC Highway 150

City: Terrell

State: North Carolina

Zip: 28682

Person completing Assessment: Kimberlee Hutchinson

Date: Jul 24, 2013

Phone Number: (336) 215-4576

Fax: (336) 445-0423

Email: Kim.Hutchinson@duke-energy.com

INSTRUCTIONS

Please indicate either *Yes* or *No* for each Receptor and Post Closure Maintenance question. Then please determine the distance or distances for each Receptor from the *Edge of Waste* (using range finders and/or GIS maps) and type that information into the form. Please attach additional information including GIS maps, lists of potable well locations, etc.

### Receptors

1. Are there Residential Dwellings Within 1,500 feet of the Edge of Waste?

☒ Yes

☐ No

If Yes, how many? 5

What are the three closest distances from the *Edge of Waste*? 970 Feet 975 Feet 1230 Feet

2. Are there Potable Wells Within 1,500 feet of the Edge of Waste?

☒ Yes

☐ No

If Yes, how many? 7

What are the three closest distances from the *Edge of Waste*? 900 Feet 960 Feet 960 Feet

3. Are there Community/Municipal Wells Within 1,500 feet of the Edge of Waste?

☐ Yes

☒ No

If Yes, how many? \_\_\_\_\_

What are the three closest distances from the *Edge of Waste*? \_\_\_\_\_ Feet \_\_\_\_\_ Feet \_\_\_\_\_ Feet

4. Are there Surface Water Bodies Within 1,500 feet of the Edge of Waste?

☐ Yes

☒ No

If Yes, how many? \_\_\_\_\_

What are the three closest distances from the *Edge of Waste*? \_\_\_\_\_ Feet \_\_\_\_\_ Feet \_\_\_\_\_ Feet

Please list the names of the water bodies: \_\_\_\_\_

5. Is Public Water Available Within 1,500 feet of the Edge of Waste?

☒ Yes

☐ No

If Yes, how many of the Residential Dwellings noted above are connected? N/A

### Corrective Measures

6. Is there an active methane extraction system (blower, flare, etc.)?

☐ Yes

☒ No

7. Is there a passive methane extraction system (trench, vents in cap, flare, etc.)?

☐ Yes

☒ No

8. Is there groundwater remediation taking place on site?

☐ Yes

☒ No

If Yes, what is the specific remedial technology used? \_\_\_\_\_

### Comments

Waste streams identified on Page 1, Question 2 reflect disposal activities that occurred at this facility from July 1, 2012 through June 30, 2013.

Duke Energy – Marshall Steam Station FGD Landfill

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